

SUMMARY [Portfolio]

Aspiring software engineering professional pursuing a Bachelor of Science degree in Computer Science with a minor in Cybersecurity, actively pursuing opportunities in the software engineering field. Demonstrated proficiency in thread synchronization using Semaphore and Monitor, showcased through projects in Concurrent Programming coursework, along with expertise in Kernel call manipulation from System Programming studies. Eager to leverage skills and continue professional growth in software engineering during the summer of 2024.

EDUCATION

Michigan Technological University | Houghton, MI

BS Computer Science | Minor Cybersecurity

Expected May 2024

GPA: 3.68 | Department GPA: 3.56

COMPUTER and TECHNICAL SKILLS

- C/C++
- System Programming
- React + Vite
- Java - OOP
- Atlassian
- Data Structure
- Git - GitHub//BitBucket
- AWS
- Concurrent Programming

PROJECT EXPERIENCE

River Crossing Concurrent Program | Michigan Tech

Jan 2023 – May 2023

Project [Git]: Utilized ThreadClass.h library to designed a Hoare Style Monitor that simulates a river crossing scenario using threads and a monitor and enforcing safety rules.

Hungry Eagles | Michigan Tech

Jan 2023 – May 2023

Project [Git]: Utilized the ThreadClass.h library and implemented a multithreaded C++ program using semaphores and mutex locks to simulate the behavior of a family of eagles consisting of a mother eagle, baby eagles, and feeding pots.

ENTERPRISE EXPERIENCE

Human Interface Design Enterprise | Michigan Tech

Project [Git]: Little Brother Friends of the Elderly - Full Stack developer

Jan 2022 - May 2022

Developed a ready-to-deploy administration website and mobile tracking app for Little Brother - Friends of the Elderly, a nonprofit organization serving Houghton's elderly communities.

- Developed driver task updates page by utilizing Laravel and Vue frameworks. Used postman to test API route with Microsoft SQL Server.

Project : GM Car Comparison - Full Stack developer | CoLead

Jan 2024 - May 2024

Create a user-friendly car comparison web application prioritizing usability, designed to assist vehicle shoppers or enthusiasts in easily comparing different automobiles.

- Organize tasks for delegation among team members of varying skill levels. Employ React and Vites for the front-end, alongside Django integrated with SQL support for the backend.

WORK HISTORY

MTU IT Lab Maintenance/Mac Team: Houghton, MI

Sep 2021 – Present

- Troubleshoot and maintain the University's printers and computers
- Maintain operations through Atlassian, Jamf Pro/Composer, Slack, and Team Dynamics
- Advise, image, remotely manage, deploy, and maintain university managed Apple products

Certification

AWS Certified Cloud Practitioner

Aug 2023 – Aug 2026

- Expressed fundamental understanding of IT services and their uses in the AWS Cloud.

CO-CURRICULAR INVOLVEMENT

NCSA - DevTeam: Full Stack Developer

Sep 2021– Present

- Developed time tracker web application for the NCSA's internal time management.
- Utilized Figma to developed an initial UI prototype for the web application.

Society of Asian Scientists and Engineers Club (SASE) | Michigan Tech Chapter

Feb 2021 - Dec 2022

HIDE Management - GM Car Comparison Co-Lead

Jan 2023 - Present